10" Wireless
Interactive WhiteBoard

Intuitive and interactive Learning Experience

NXBoard professional

User Manual

Touch Screen
Touch Your Heart

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1. Product

1-1 Product Introduction

The 10” wireless interactive whiteboard integrates 10” widescreen display with touch technology, which is a creative solution for teaching environment. You can instantly present through a second display or a projector, what you just wrote on the 10” wireless interactive whiteboard would be simultaneously showed on the projector wall. You can easily make marks and comments on digital files which enables you to interact with your students as well as improve your teaching quality, renewing the traditional teaching methods.

1-2 Features

1. Intuitive Operation

   Different from other products in the market, 10” wireless interactive whiteboard is embedded with 10” widescreen display that is user-friendly and requires no practice before operating.

2. Wireless transmission

   With a wireless design, 10” wireless interactive whiteboard help you get rid of those annoying cables and it allows maximum distance of data transmission 10 meters.

3. Ergonomic Design

   Taking place of the traditional mouse, the writing stylus efficiently reduces injuries caused by using mouse constantly.

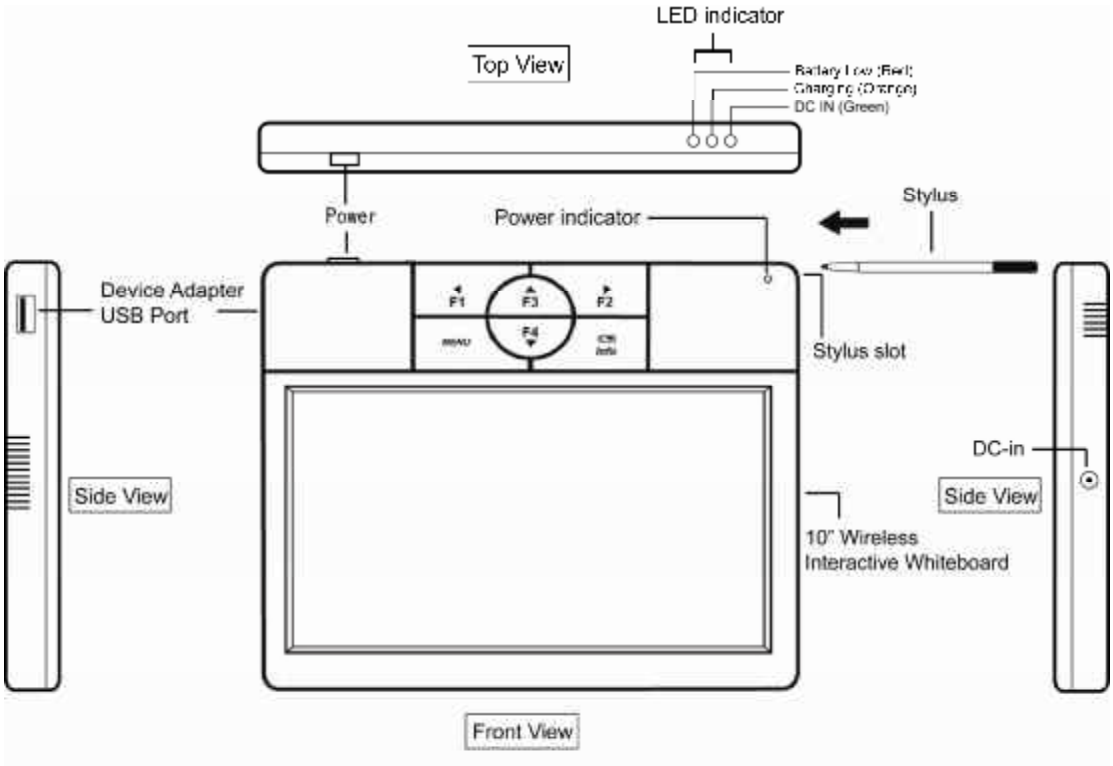
4. Multiple functions

   10” wireless interactive whiteboard is built-in four hot keys for NXBoard software.

1-3 Product and Accessories

- Wireless interactive whiteboard
- Stylus
- User manual
- Wireless PC Adapter
- Wireless Device Adapter
- Wireless USB Dongle Driver CD
- NXBoard Software & Driver CD
- Power Adapter

1-4 Functions



Hotkeys (Functions are enable under OSD menu)

Info Battery information/Exist OSD menu

MENU Enter OSD menu / Select

F1 Decrease the value " — " (minus), or "◄" (Left) Select below function

F2 Increase the value " ┼ " (plus), or "►" (Right) Select up function

F3 No function

F4 No function

Hotkeys (Functions are enable under NXBoard Software interface)

F1 Selection

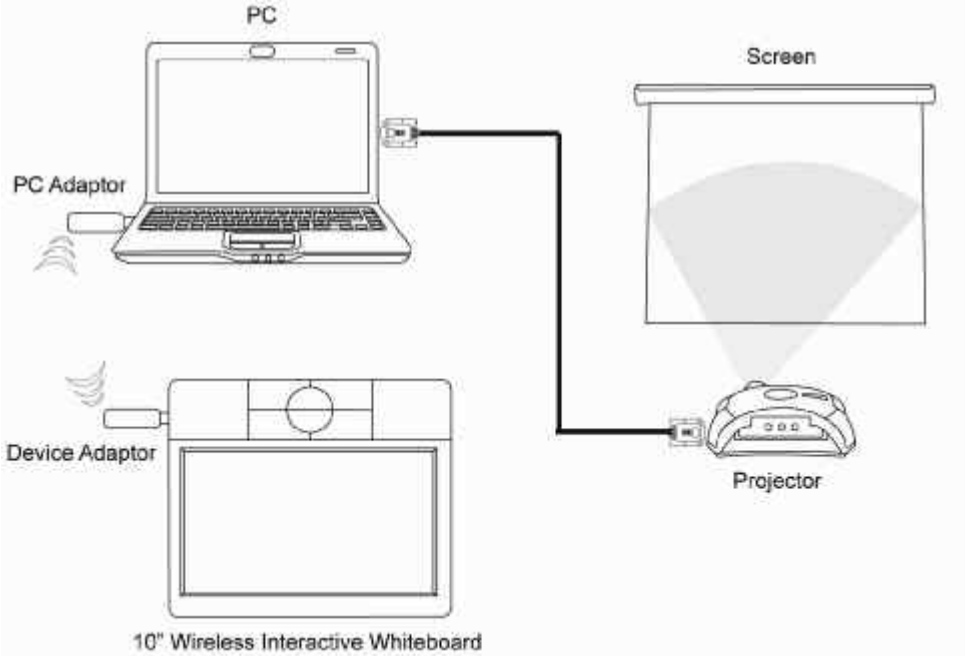
F2 Return to last function for (Flood Fill/Text Box/Stamper/Medium Eraser/Pen/Florescent Pen/Creativity Pen/Cut)

F3 White Board Mode

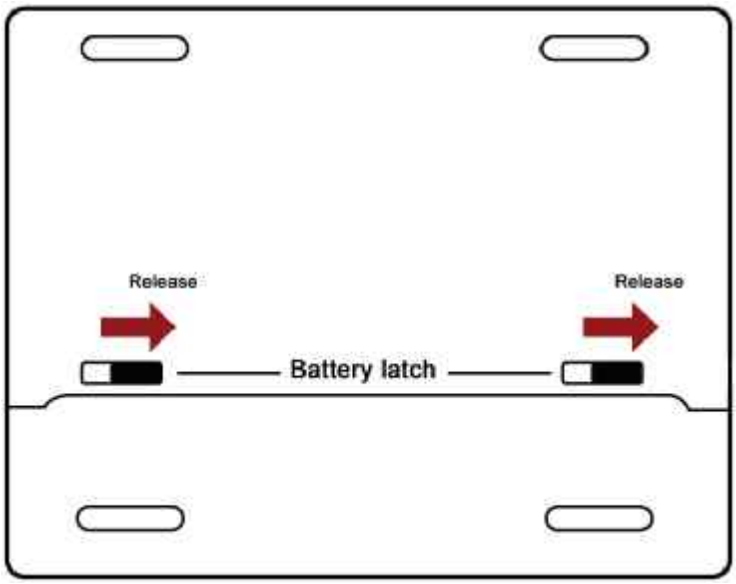
F4 Click Through

2. Hardware Installation

2-1 Illustration of Installation



※ To release the battery pack:



※ Battery can be used about 3 hours when it is fully charged.

2-2 Install Step by step

- **Step 1** Install Wireless USB Dongle Driver Software (Refer to page 13)
- **Step 2** Plug your projector's VGA connector in PC's VGA port.
- **Step 3** Plug the Wireless PC Adapter in the PC's USB port.
- **Step 4** Plug the Wireless Device Adapter in the PC's another USB port.

- **Step 5** Waiting for dialogue box shows "Wireless USB Dongles has been paired". Check and choose "ok" when the wireless USB dongle has been paired.

- **Step 6** Press the power button locating in the upper left to turn on the wireless interactive whiteboard.
- **Step 7** Pull the Wireless Device Adapter out the PC's another USB port, and plug it in the Wireless interactive whiteboard's USB port.
- **Step 8** The indicator light of Wireless Device Adapter and Wireless PC Adapter start to twinkle.
- **Step 9** When the Wireless PC Adapter has been connected to Wireless Device Adapter, the will be showed in right descend corn.

(※ When you change the computer, you need to pair Wireless Device Adapter and Wireless PC Adapter again.)

Wireless PC Adapter

Wireless Device Adapter

3. NXBoard Software and Touch Driver

3-1 Introduction

NXBoard, the cutting edge software, offers the new teaching ways that you have never imaged before. It has user-friendly interface and most powerful multiple functions and it saves the teacher's time to prepare the lessons. NXBoard supports almost all formats of files which you can import as your teaching materials such as website, flash contents, youtube videos, pictures and power points and so on.

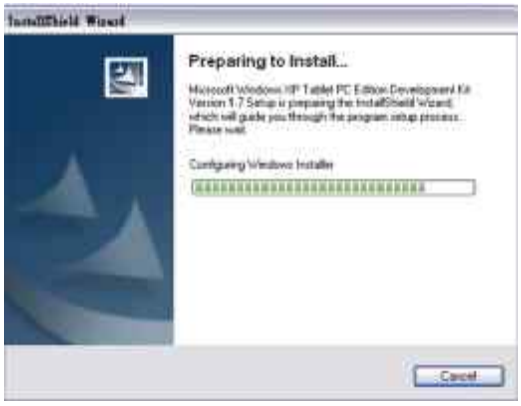
3-2 Recommend System Spec

PC Hardware & Software Requirements

Section	Specification
Processor	1.8GHz Core2 Due or higher
Memory	2GB
DirectX	V9.0c or higher
OS	Windows 2000/ Windows XP/ Windows Vista/ Windows 2003 / Windows 7
Recommended resolution	1024×600@ 60 Hz
Office applications	Office XP / 2002 / 2003 / 2007
Support resolution	800×600, 1024×600, 1024×768, 1280×800, 1280×1024
Web browser	Internet Explorer, Firefox
Video Device	Supported Direct X 8.1 and higher VGA Graphic Card
Audio Device	Build-in Audio Chipset and Audio Speaker

3-3 Install Microsoft Windows XP Tablet PC Edition Development Kit 1.7

A.



Enter the installation page.

B.

Welcome to the InstallShield Wizard for the Microsoft Windows XP Tablet PC Edition Development Kit Version 1.7
Next >
Cancel

Select “Next” to proceed.

C.

License Agreement
END-USER LICENSE AGREEMENT FOR THE MICROSOFT WINDOWS XP TABLET PC EDITION DEVELOPMENT SDK 1.7
IMPORTANT-READ CAREFULLY: The End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the
I accept the terms in the license agreement
I do not accept the terms in the license agreement
< Back
Next >
Cancel

Select “I accept the terms in the license agreement” and “Next” to proceed.

D.

Select “Everyone who use the computer (all users)” and “Next” to proceed。

E.

Setup Type
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
< Back
Next >
Cancel

Select “Custom” and “Next” to proceed.

F.

Select “Next” to proceed.

G.

Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

Select “Install” to install the software.

H.

The installation page will be closed automatically after the installation is done.

3-4 Install Microsoft Windows XP Tablet PC Edition 2005 Recognizer (Windows XP Only)

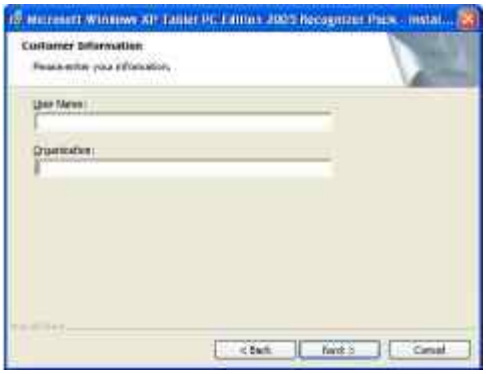
A.

Select “Next” to proceed.

B.

Please select “I accept the terms in the license agreement” and select “Next” to proceed。

C.

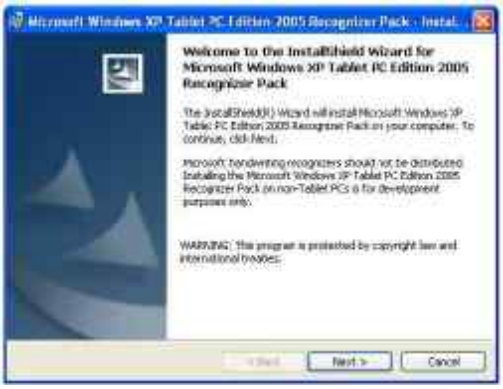


Select “Next” to proceed after filling out Customer Information.

D.

Please select “Custom” and “ Next” to proceed.

E.



Select “Install” to install the software.

F.

The installation page will be closed automatically after the installation is done.

3-5 Install NXBoard Software

A.

Click “ Install” to proceed

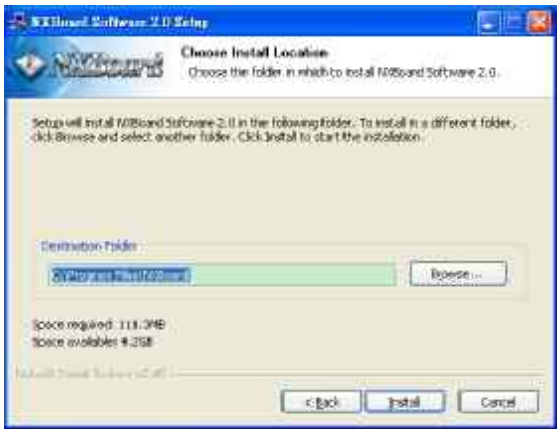
B.

Select Installer Language
Traditional Chinese
Simplified Chinese
English **P**
Dutch

C.

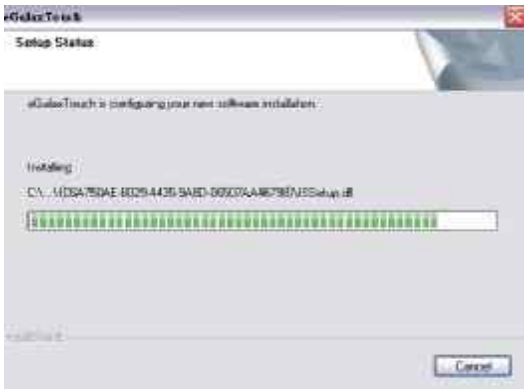
Select “Next” to proceed.

D.



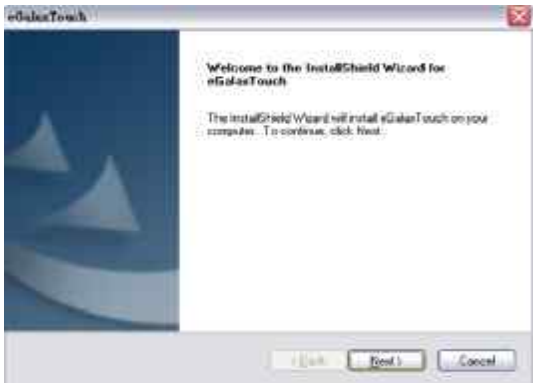
Please select “the destination folder” then click “Install” to proceed.

E.



Installation page automatically proceed.

F.



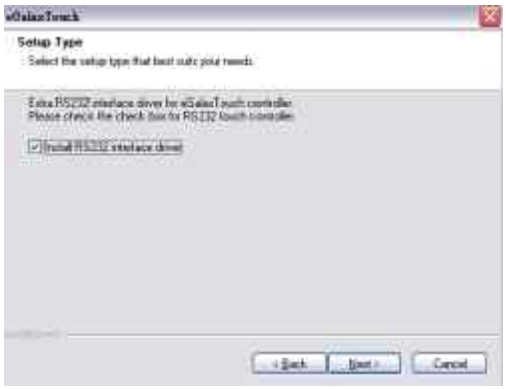
While entering the installation page, select “Next” to proceed.

G.

eGalaxTouch
Setup Type
Select the setup type that best suits your needs.
Extra PS/2 interface driver for eGalaxTouch controller.
Please check the check box for PS/2 touch controller.
Install PS/2 interface driver
< Back
Next >
Cancel

Select “Next” to proceed.

H.


eGalaxTouch
Setup Type
Select the setup type that best suits your needs.
Extra RS232 interface driver for eGalaxTouch controller.
Please check the check box for RS232 touch controller.
Install RS232 interface driver
< Back
Next >
Cancel

Select “Next” to proceed.

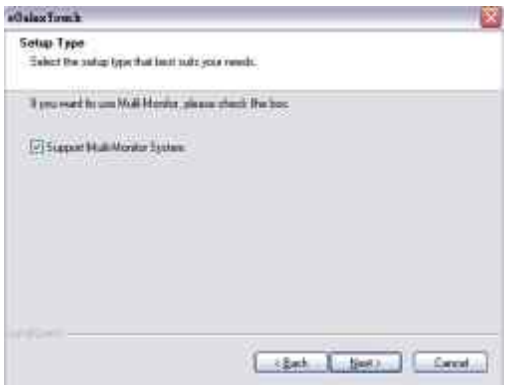
I.

Please select “None” to do 4 point calibration when the system starts and select “Next” to proceed.

J.

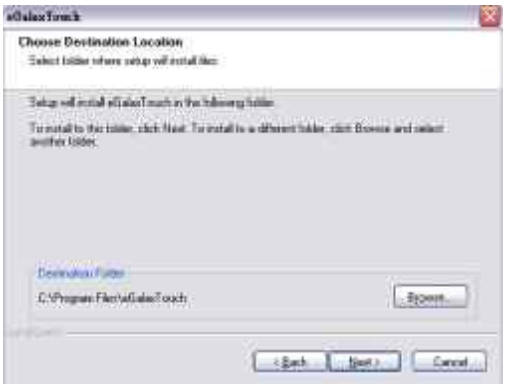
After making sure the USB Touch device is installed correctly, select “OK” to proceed.

K.


eGalaxTouch
Setup Type
Select the setup type that best suits your needs.
If you want to use Multi-Monitor, please check the box.
Support Multi-Monitor System
< Back
Next >
Cancel

Select “Next” to proceed.

L.

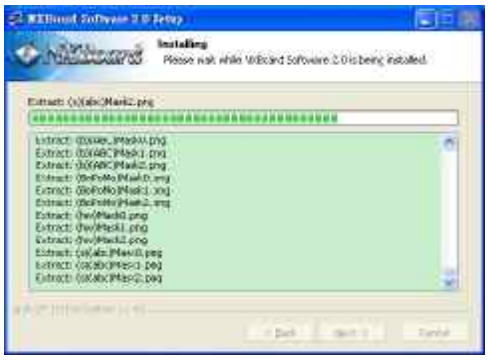

eGalaxTouch
Choose Destination Location
Select folder where setup will install files.
Setup will install eGalaxTouch in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\eGalaxTouch
Browse...
< Back
Next >
Cancel

Select “Next” to proceed.

M.

Select “Next” to proceed.

N.



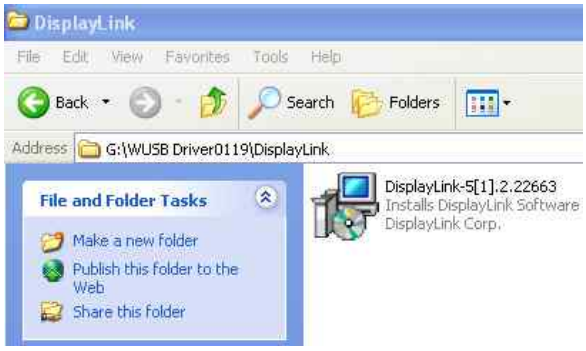
The “Installing” Image

O.

Select “Finish” when installation is completed

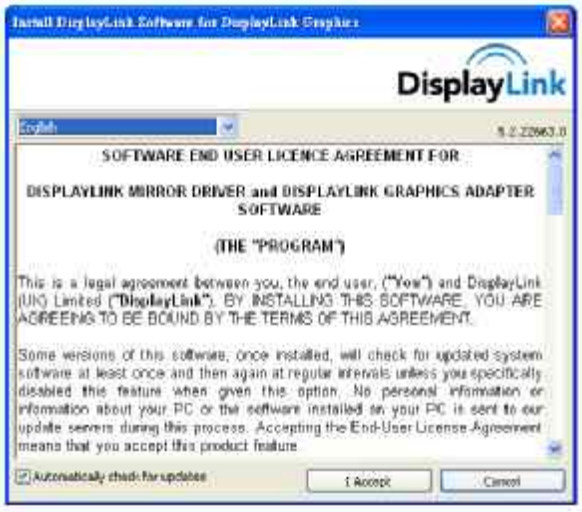
3-6 Install Wireless Driver

A.



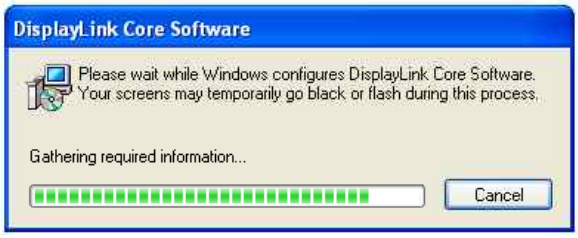
Select “DisplayLink-5[1].2.22663.exe” which is in the Wireless Driver file to proceed.

B.



Select language and read the license agreement, select “I Accept” and precede installation

C.


DisplayLink Core Software
Please wait while Windows configures DisplayLink Core Software.
Your screens may temporarily go black or flash during this process.
Gathering required information...
Cancel

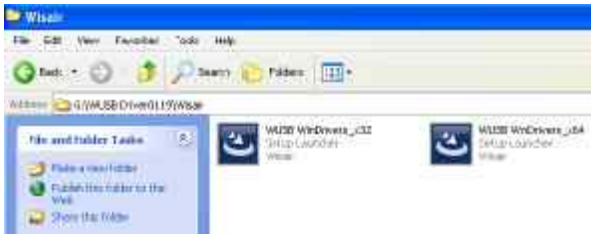
Installation page automatically proceed.

D.

Wireless Driver has been installed in your computer.

3-7 Install WUSB Driver

A.



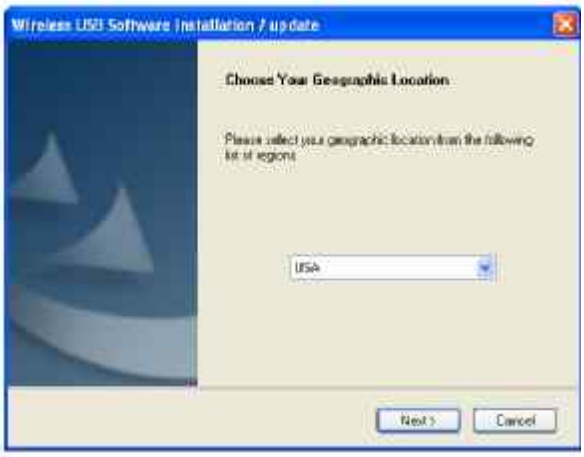
If your computer is 32 bits, select "WUSB WinDrivers_×32.exe" which is in the WUSB file to proceed.
If your computer is 64 bits, select "WUSB WinDrivers_×64.exe" which is in the WUSB file to proceed.

B.

InstallShield Wizard
Wireless USB WinDrivers Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Extracting: WUSB WinDrivers.msi
Cancel

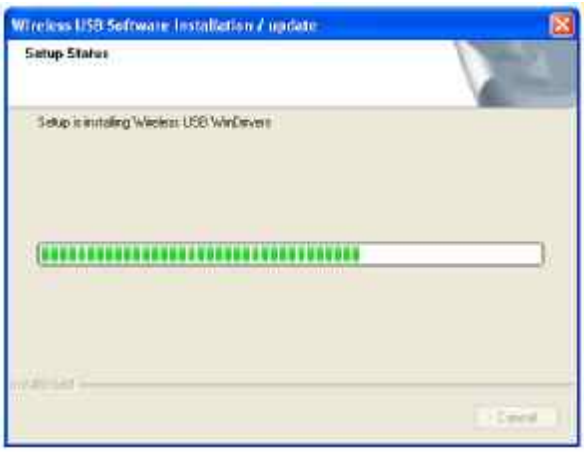
Installation page automatically proceed.

C.



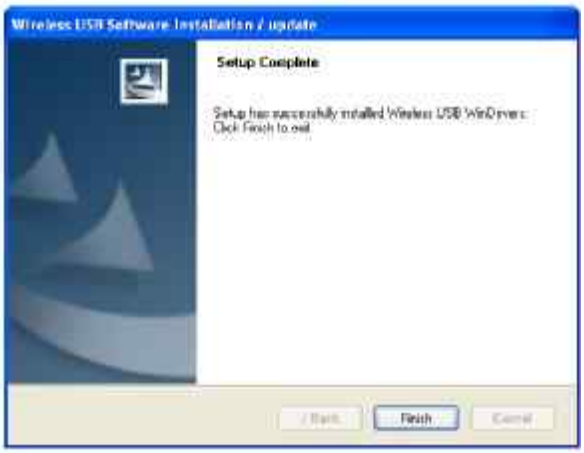
Choose your geographic location.

D.



Installation page automatically proceed.

E.



Setup complete

3-8 Wireless transmission

- **Step1:** After you installed the wireless driver, you will find a new icon on your tool bar.

- **Step2:** Pair the wireless USB dongle. (Refer to page 5)

- **Step3:** Plug the PC Adapter into the USB port of your computer.

- **Step4:** Plug the Device Adapter into the USB port of wireless interactive whiteboard.

- **Step5:** Turn your wireless interactive whiteboard on.

- **Step6:** The indicator of both wireless USB dongles (PC/Device Adapter) will start to flashing and the monitor of wireless interactive whiteboard will receive images. The Wireless icon turns to green .
  (The Wireless icon turns to red represent no signal is being received.)

- **Step7:** A new icon is shown on the tool bar while the wireless transmission is being activated.

- **Step8:** Wireless transmission setting is done.

※If you has some problems with the images on the screen of wireless interactive whiteboard, try to click to open the menu and choose “ mirror“.

(The icon is only shown while wireless transmission is being activated.)

3-9 NXBoard Online Register

※One serial number is bound for one computer. You don't need to register again after first time.

A.

While you first time to start "NXBoard", it will ask you to register online. Click " Next " to proceed.

B.

Click the "get code" button after you fill out the information boxes.

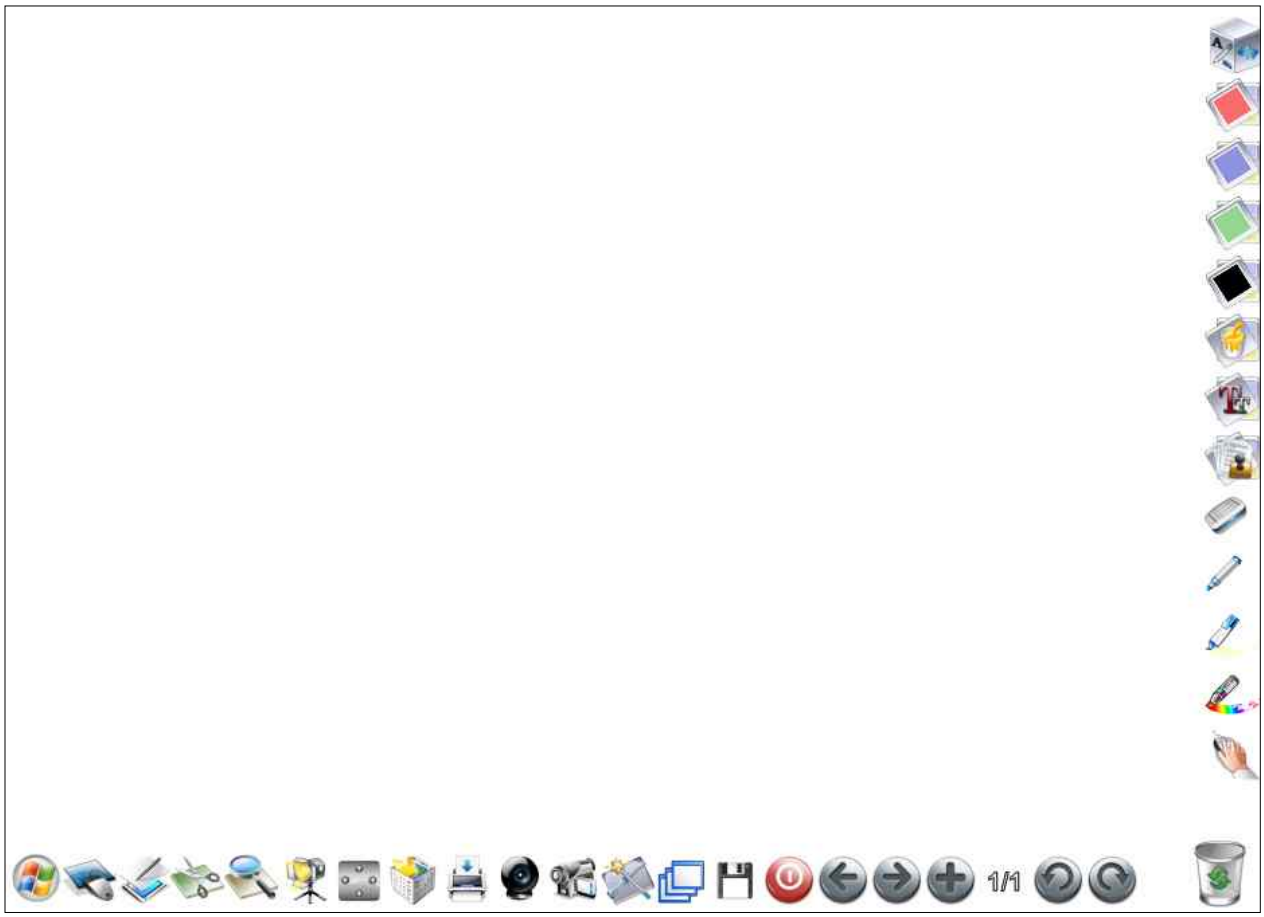
C.

Waiting for 1 or 2 minutes, you will receive the code in the mail address that you filled above. Fill the code in "verify code" box and click "Register".

D.

The online register procedure is done, please click "Next" to proceed.

3-10 NXBoard Software Function Introduction



Picture 1: View of NXBoard after starting the application

Vertical Taskbar Functions

Switch: Switch the column of vertical bar to the next column of functions.

Red: Select the red color (for pen, fluorescent pen, creativity pen, flood fill.)

Blue: Select the blue color (for pen, fluorescent pen, creativity pen, flood fill).

Green: Select the green color (for pen, fluorescent pen, creativity pen, flood fill).

Black: Select the black color (for pen, fluorescent pen, creativity pen, flood fill).

Flood fill: Fill an area, object or shape with the selected color.

Textbox: Make a textbox, and enter text with the keyboard or on screen keyboard.

Stamper: Stamp using the selected stamp icon.

Eraser: Eraser tool. Select the size of the eraser by clicking the icon multiple times.

Pen tool: Write and draw with selected pen thickness and color.

Fluorescent pen: Make semi transparent highlights with selected pen thickness and color.

Creativity pen: Write and draw with selected pen with change thickness, color, and format.

Selection: Go to Selection mode to select objects or shapes and then move, change or remove them.

Vertical taskbar functions (2)

Switch: Switch to the next column of functions.

Freehand Shape: draws a line between one or more points with selected line type, thickness and color.

Line: Draw a line on the whiteboard.

Rectangle: Draw a rectangle with the desired size on the whiteboard.

Circle: Draw a circle with the desired size on the whiteboard.

Ellipse: Draw an ellipse with the desired size on the whiteboard.

Triangle: Draw a triangle with the desired size on the whiteboard.

Etriangle: Draw an Etriangle with the desired size on the whiteboard.

Diamond: Draw a Diamond with the desired size on the whiteboard.

Pentagon: Draw a pentagon with the desired size on the whiteboard.

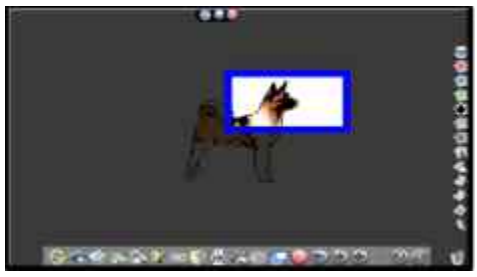
Star: Draw a star with the desired size on the whiteboard.

Table: Draw a table with the desired size on the whiteboard.

Selection: Go to Selection mode to select objects or shapes and then move, change or remove them.

Horizontal taskbar functions

		Desktop Mode	If the Return to Desktop icon is clicked, the NXBoard application will be minimized to the icon. This icon is placed at the right bottom corner of the screen. The Pen can now be used to start and navigate in window applications. NXBoard can be used again immediately by clicking on the icon.
		Click Through	When the Click Through function is started, the icon will change from to .In Click Through mode, the whiteboard and icons are visible. Some icons are not active and are grayed out. The Pen can be used now to activate shortcuts on the desktop, to start and control windows applications. If any of the active icons are clicked (for example the pen), the click through mode will be stopped automatically.
		Whiteboard mode	Switch between Whiteboard mode and transparent desktop mode.
		Cut	With the Cut function you can make a copy from the desktop or from an application (for example part of a webpage in Internet explorer) and place this on the whiteboard as an object. Place the Pen at the corner of the area to be copied and drag the pressed Pen to the opposite corner of the area. You will see a semi-transparent rectangle appearing. At the moment the Pen is not pressed anymore, the area will be copied to an object. The object can now be dragged to your preferred location on the whiteboard.

		Zoom in/out	With the Zoom function, you can zoom in or zoom out on a certain area of the whiteboard. During Zoom mode, a pop-up menu appears for further options, by Clicking button to zoom in and zoom out the image. Click button，You can move the zone；Click button means shut down this function.
		Spot Light	With the help of the Spotlight function a selected area of the whiteboard can be highlighted. During Spotlight mode, a pop-up menu appears for further options. By Clicking button, you can move or change the size of zone；By Clicking button, you can change Menu for choosing the Spotlight shape, background color and percentage transparency. By Clicking button, it means Stop Spotlight mode 

		Screen Shade	With the help of the screen shade it is possible cover a certain area of the whiteboard (for example the area with answers to certain questions). Horizontal, vertical and a combination of horizontal en vertical shades are available. During the screen shade mode, a pop-up menu appears for further options.
		Shapes	With the Shapes function, you can add images and backgrounds to the whiteboard. When Shapes is clicked, the following pop-up menu appears. The pop-up menu has three tabs; Gallery, Background and Attachment. **Gallery:** Here are shown the objects that can be placed on the whiteboard such as images, geometric shapes, symbols etc. **Backgrounds**: Here are shown the backgrounds for the whiteboard, such as backgrounds for mathematics, language, map etc. **Attachment**: Objects placed on the whiteboard, can be used for later use by exporting them. The files are stored in the tabs Gallery or Attachment. Extra folders can be added for further categorization. If an object is stored in the Attached File tab, it will be included into the NXBoard project file when this is stored. This is useful when creating a NXBoard session at home. Home created objects can now be carried in the Attachment tab from home to the school or office location and can be re-used here. Take care to store not too many objects in the Attachment tab as it will increase the NXBoard file size.

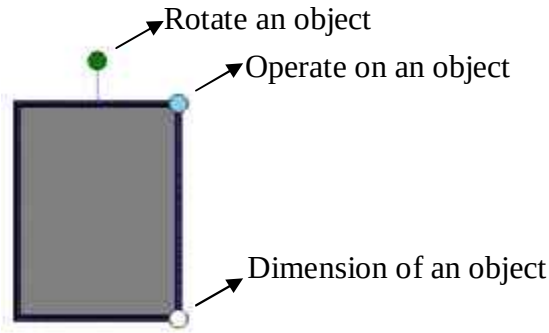
		Print	With the Print function you can print directly to the printer connected to the computer network. Or you can print to an export format such as pdf, png (image format), html, PowerPoint and Email (in development). When the Print icon is clicked, the following pop-up menu appears.
		Camera	When you click the “Camera” function, it can be perfectly combined with webcam to apply projector into real-time application. You can use camera function and other NXBoard’s tool at same time without any interruption. This function supports two modes. One is called “real object projector”, and the other is called “Teaching mode”.

		Record	If you click the Record icon, you can make a recording of the NXBoard session. he file can be recorded in various file formats, which can be configured in Wizard/Setting. After stopping the recording, the recording will be converted to the set video format. After the conversion you can enter the filename and folder name.
		Wizard	Under the Wizard Icon, a number of important functions and settings are made available. If the Wizard icon is clicked, the following menu will be made available. You can choose now the submenu's Tools, Print, Setting, Help and Close.
		Page Sorter	In the Page Sorter menu, an overview of all pages in the current NXBoard session will be presented. It will show 6 pages at a time. If the session contains more than 6 pages, you can move to the next 6 pages by using the green arrow button.

		Save	With the Save option you can save your current NXBoard session for later use. You can save the file on the desktop or in a folder on your own PC or any accessible folder on the network. A stored NXBoard session can be started by stopping the current NXBoard session and then click on the filename of the stored NXBoard session. Solving problems
		Close	Stop this NXBoard session, close the application.
		Previous Page [PgUp]	Go back to previous page.
		Next Page [PgDn]	Continue to next page.
		New Page [Ctrl+N]	Add a new page.
		Undo [Ctrl+Z]	Attention. Doesn't Work for Eraser.
		Redo [Ctrl+Y]	Redo the last step
		Recycle Bin	When you click the recycle bin, all objects will be erased from the whiteboard. To erase one object, just drag it to the recycle bin.

		Switch	Click icon, can switch the column A to column B.
		Color Tool	There are 4 different default color settings in color tool, or you can choose other color on your own. By Clicking icon, you can use default color tool. However, if you want to use other color, you need to click the color tool bar, all you just need is to click icon for 1 to 2 seconds. Then it will show the color tool bar.

		Flood Fill	This tool can fill color into whole background, and it also can fill color into the closed lines.
		Text Box	This tool can enter the text content, and set up the font's settings, it also support the visual keyboard in this tool.
		Stamp	This tool supports Stamp format, you also can set up your own stamp by importing the image from other files.
		Eraser	This tool supports three different sizes eraser. You can change eraser's sizes by clicking the icon.
		Pen	This tool supports pen for white board. You can change the format, color, and thickness of the pen.
		Fluorescent Pen	This tool supports pen to highlight text content. You can change format, color, and thickness of the pen by clicking quick setting tool bar.
		Creativity Pen	This tool supports brushes which can draw some creative icons on the whiteboard. You can change color, format, and thickness of the pen.

		Selection	You can select single item by clicking the mouse, or move the cursor on the item, then click the right button on the mouse, it will be show the tool list, which includes:  Drag (Rotate an object)●, it can rotate the item; Drag(Dimension on an object) ○, it can enlarge or narrow the item.
		Freehand Shape	This tool supports user to transfer the handmade shape into the real one, which like cycle, oval, triangle, and etc.
		Line	This tool can draw the straight line.
		Polygon Tool	By clicking the icon, the toolbar will be transformed into polygon tool, which supports any geometric figure, and change the color, format and thickness.

4. Definitions of On Screen Display Control Key

4-1 Navigating the OSD Menu

A. Display the main menu

Press **MENU** to display the main menu on the screen.

B. Select the item you want to adjust

Press the **F1** / **F2** button to shift the item selections down or up until it is desired, and then press the **MENU** button again to enter the menu item.

C. Adjust the item setting

Press the **F1** / **F2** button to adjust the value of setting. The value will be stored automatically once you adjust the value of setting.

D. Exit the OSD menu

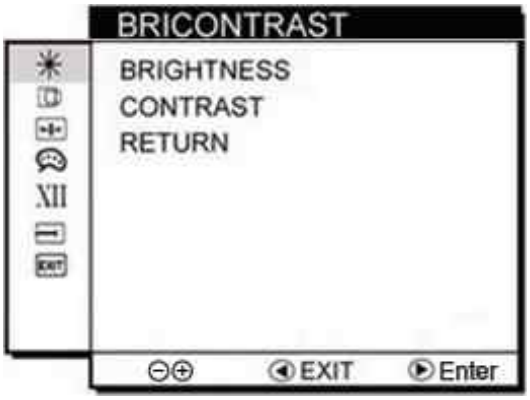
To return the regular screen viewing, press the Info button. If there is no command respond for 10 seconds, OSD menu will be closed automatically.

4-2 OSD Menu on VGA Mode

✳ BRICONTRAST

Press " **F1** " to increase or " **F2** " to decrease the brightness or contrast

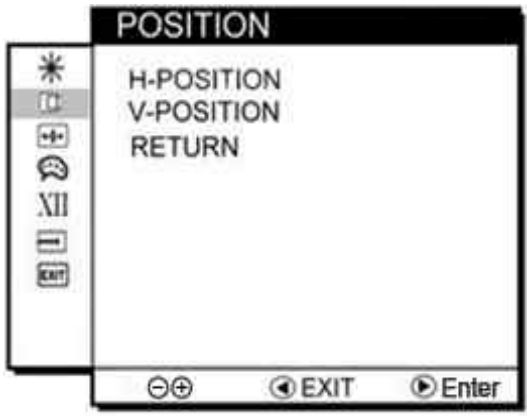
- **u** BRIGHTNESS is used to adjust the screen's brightness.
- **u** CONTRAST is used to adjust the screen's contrast.



POSITION

You can adjust the screen's position by changing its horizontal and vertical position.

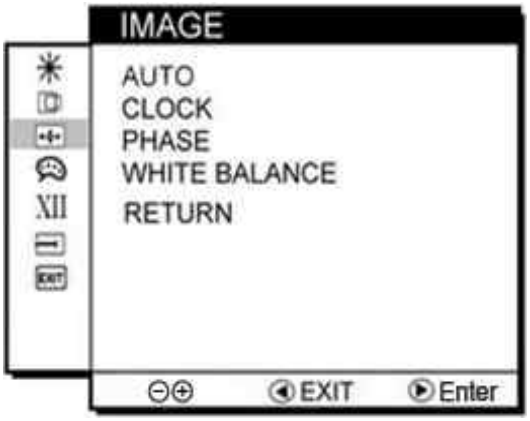
- **u** H-POSITION is used to adjust the image to left or right of the screen.
- **u** V-POSITION is used to adjust the image up or down of the screen.



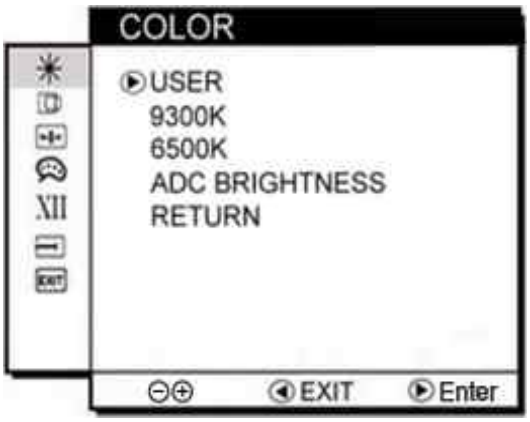
IMAGE

You can change the screen quality through adjusting items under "IMAGE"

- **u** AUTO is used to choose the best settings for the current input signal.
- **u** CLOCK is used to adjust the value of horizontal image.
- **u** PHASE is used to adjust the phase control (Phase adjustment may be required to optimize the display quality)
- **u** WHITE BALANCE is used to set the RGB signal voltage level



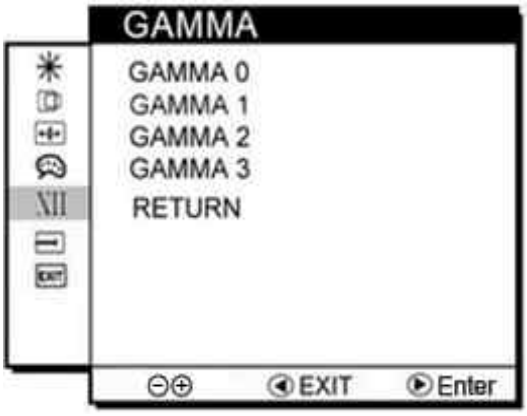
COLOR



You can set different color levels of the white color field as the default color temperature. Besides you can fine tune the color temperature by selecting “USER” option if necessary.

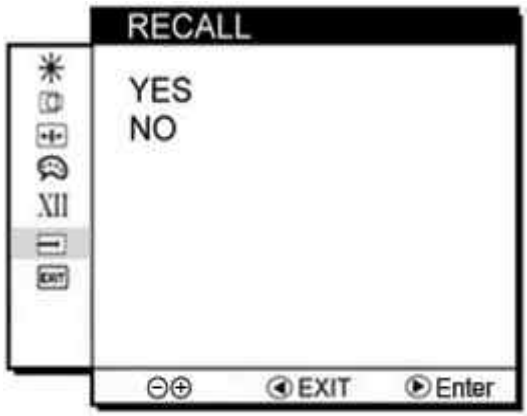
- **u** USER is used to set the color temperature brightness by choosing RED/GREEN/BLUE for your preference.
- **u** 9300K is used to set the value of the monitor as 9300 color temperature of the CIE Color System.
- **u** 6500K is used to set the value of the monitor as 6500 color temperature of the CIE Color System.

GAMMA



GAMMA is used to adjust it at four default levels from GAMMA 0 to GAMMA 3. Select “RETURN” to the main menu.

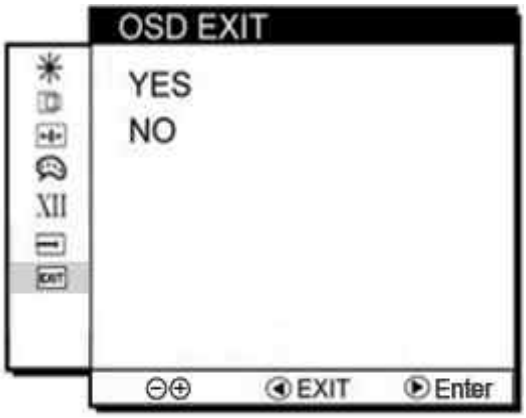
RECALL



RECALL is used to recall the original factory default setting by selecting “YES”. Select “NO” to return the main menu**.**

EXIT OSD EXIT

You can quit the OSD menu by selecting “YES”.
Select “NO” to return the main menu.



SUMMARY

☀	BRICONTRAST	BRIGHTNESS CONTRAST	XII	GAMMA	GAMMA 0 GAMMA 1 GAMMA 2 GAMMA 3
	POSITION	H-POSITION V-POSITION		RECALL	YES NO
	IMAGE	AUTO CLOCK PHASE WHITE BALANCE	EXIT	OSD EXIT	YES NO
	COLOR	USER*(RED/GREEN/BLUE)* 9300K 6500K ADC BRIGHTNESS			

5. Revision History

Version	Date	Note	Author
1.0	2010.02.01	ü First Version	Alicia Liao